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APRIL 10, 2001

PTAS

GRAY CARY WARE & FREIDENRICH LLP
TIMOTHY W. LOHSE
3340 HILLVIEW AVENUE
PALO ALTO, CA 94304



101601424A

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

Technology Center 2100

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/22/2001

REEL/FRAME: 011468/0087
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VOGEL, CLAUD

DOC DATE: 01/10/2001

ASSIGNEE:

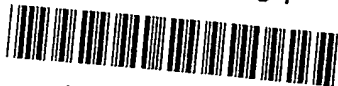
SEMIO CORPORATION
1730 S. AMPHLETT BLVD., SUITE 101
SAN MATEO, CALIFORNIA 94402

SERIAL NUMBER: 09687612
PATENT NUMBER:

FILING DATE: 10/11/2000
ISSUE DATE:

SONYA JOHNSON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01-31-2001



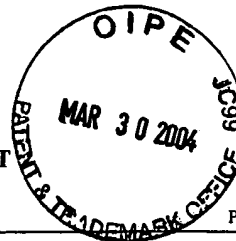
101601424

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE

1-31-92

COVER SHEET



Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Claud VOGEL

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Execution Date: January 10, 2001

2. Name and address of receiving party(ies):

Name: Semio Corporation

Street Address:

1730 S. Amphlett Blvd., Suite 101
San Mateo, CA 94402Additional name(s) & address(es) attached? ☐ Yes ☒ No

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4. Application number(s) or patent number(s): Application Serial No. 09/687,612, Filed on October 10, 2000

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Timothy W. Lohse (Reg. No. 35,255)
Internal Address: Gray Cary Ware & Freidenrich LLP
3340 Hillview Avenue
Palo Alto, CA 94304
(650) 320-7426

6. Total number of applications

1

and patents involved:

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 07-1896

Please debit any underpayment or credit any overpayment to the above deposit account.

Our Order No. 102467-991131

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Timothy W. Lohse (Reg. No. 35,255)

Name of Person Signing

Signature

January 17, 2001

Date

Total number of pages comprising cover sheet and assignment: [3]

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents
Box Assignments
Washington, DC 20231

01/30/2001 DBYRNE 00000076 09687612

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PATENT & TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, Claud Vogel has made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled SYSTEM AND METHOD FOR PARSING A DOCUMENT, the specification of which:

X was filed as application serial number 09/687,612 on October 10, 2000;

WHEREAS, Semio Corporation, a corporation of the State of California, and whose address is 1730 S. Amphlett Blvd., Suite 101, San Mateo, CA 94402 and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

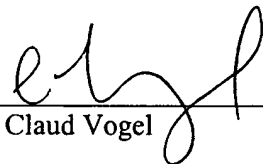
2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF:



Claud Vogel

STATE OF CALIFORNIA)
) ss.
COUNTY OF San Mateo)

On January 10, 2001 before me, CATHERINE BYRNE, Notary Public, personally appeared CLAUDE VOGEL, personally known or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.



Notary Public



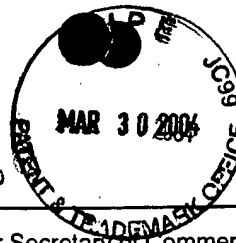


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FENWICK & WEST LLP



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01647-100015

JULY 08, 2003

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Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

FENWICK & WEST LLP
CHRISTOPHER M. TOBIN, ESQ.
TWO PALO ALTO SQUARE
PALO ALTO, CA 94306



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PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/25/2003

REEL/FRAME: 013774/0574
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SEMIO CORPORATION

DOC DATE: 08/16/2002

ASSIGNEE:
SEMIO ACQUISITION INC.
2100 RESTON PARKWAY, SUITE 204
RESTON, VIRGINIA 20191

SERIAL NUMBER: 09289174
PATENT NUMBER:

FILING DATE: 04/09/1999
ISSUE DATE:

SERIAL NUMBER: 09687612
PATENT NUMBER:

FILING DATE: 10/11/2000
ISSUE DATE:

SERIAL NUMBER: 08801970
PATENT NUMBER: 5963965

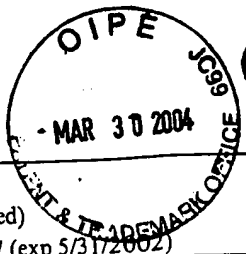
FILING DATE: 02/18/1997
ISSUE DATE: 10/05/1999

SERIAL NUMBER: 09288994
PATENT NUMBER: 6424982

FILING DATE: 04/09/1999
ISSUE DATE: 07/23/2002

013774/0574 PAGE 2

JEFFREY OLSEN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



02-27-2003



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U.S. DEPARTMENT OF COMMERCE
U.S. Patent And Trademark Office

Form PTO-1595

(Rev. 03/01) (modified)

OMB No. 0651-0027 (exp 5/31/2002)

REC

To the Honorable Commissioner For patents: Please record the attached original documents or copy thereof:

1. Name of conveying party:

Semio Corporation

2.75.03

Additional name(s) of conveying party(ies) attached?

☐ Yes

☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

Execution Date: August 16, 2002

2. Name and address of receiving party:

Name:

Semio Acquisition Inc.

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APR 02 2004

Internal Address:

Technology Center 2100

Street Address:

2100 Reston Parkway, Suite 204

City:

Reston

State:

VA

Zip: 20191

Additional name(s) & address(es) attached?

☐ Yes

☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application Nos.: 09/289,174; 09/687,612

B. Patent Nos. 5,963,965; 6,424,982:

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Christopher M. Tobin, Esq.

Internal Address: Fenwick & West LLP

Street Address: Two Palo Alto Square

City: Palo Alto State: CA Zip Code: 94306

6. Total number of applications and patents involved: [4]

7. Total fee (37 CFR 3.41): \$160.00

☒ Check Enclosed

☐ Fee Transmittal Enclosed

☐ Charge the indicated fees to the below mentioned deposit account.

8. Deposit Account No.:

02/26/2003 LMUELLER 00000240 09289174

01 FC:R021

150.00.00

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Christopher M. Tobin / 40,290

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, documents: [5]

Mail documents to be recorded with required cover sheet information to: Box Assignment, Commissioner For Patents and Trademarks, Washington, D.C. 20231

Case Docket No.: 61647-01000

61647/01000/SF/5093731

PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Semio Corporation, a California corporation, having a place of business at 1730 S. Amphlett Blvd., Suite 101, San Mateo, California 94402 ("*Assignor*"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to Semio Acquisition Inc., a Delaware corporation, having a place of business at 2100 Reston Parkway, Suite 204, Reston, VA 20191 ("*Assignee*"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("*Subject Matter*") that are disclosed in the following applications and Letters Patents ("*Patent Rights*") contained in Attachment A; and

2. The entire worldwide right, title, and interest in and to:

(a) the Patent Rights, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom.

Assignor agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to Assignee the rights, title and interests herein conveyed; (2) communicate to Assignee all known facts relating to the Subject Matter of the above-identified patent applications and Letters Patents; and (3) generally do all lawful acts that Assignee shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the Subject Matter of the above-identified patent applications and Letters Patents and for vesting in Assignee the rights, titles, and interests herein conveyed. Assignor further agrees to provide any successor, transferee, assignee, or legal representative of Assignee with the benefits and assistance provided to Assignee hereunder.

Assignor represents that Assignor has the rights, titles, and interests to convey as set forth herein, and covenants with Assignee that the Assignor has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, the undersigned has caused this Patent Assignment to be executed as of the date first written above by an officer thereunto duly authorized.

SEMIO CORPORATION

By: J Metcalf

Name: Scott Metcalf

Title: CEO

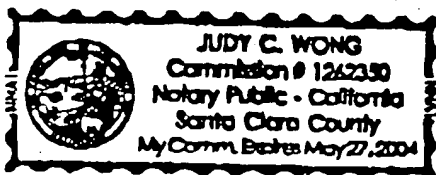
State of California

County of Santa Clara

On this 16th day of August, 2002, before me, Judy C. Wong, a Notary Public in and for the State of California, personally appeared Scott Metcalf, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Judy C. Wong
Notary Public



Attachment A

SEMIO PATENT PORTFOLIO

Title	Country	Serial No/ Filing Date	Patent No/ Issue Date	Status
Text Processing and Retrieval System and Method	US	08/801,970 2/18/1997	5,963,965 10/5/1999	Issued
Text Processing and Retrieval System and Method	European Patent Office	98907481.0 2/18/1998	NA	Pending
Text Processing and Retrieval System and Method	Japan	10-537704 2/18/1998	NA	Pending
Text Processing and Retrieval System and Method	Canada	2,281,645 2/18/1998	NA	Pending
System and Method for Generating a Taxonomy from a Plurality of Documents	US	09/289,174 4/9/1999	NA	Notice of Abandonment Received Due to USPTO error. Will need to be revived.
System and Method for Generating a Taxonomy from a Plurality of Documents	European Patent Office	00921957.7 4/6/2000	NA	Pending
System and Method for Generating a Taxonomy from a Plurality of Documents	Japan	2000-611203 4/6/2000	NA	Pending
System and Method for Generating a Taxonomy from a Plurality of Documents	Canada	2,366,545 4/6/2000	NA	Pending
System and Method for Parsing A Document	US	09/288,994 4/9/1999	NA	About to Issue. Issue Fee Paid on May 28, 2002
System and Method for Parsing A	US	09/687,612	NA	Pending

Title	Country	Serial No/ Filing Date	Patent No./ Issue Date	Status
Document		10/11/2000		
System and Method for Parsing A Document	European Patent Office	00923179.6 4/6/2000	NA	Pending
System and Method for Parsing A Document	Canada	2,366,485 4/6/2000	NA	Pending
System and Method for Parsing A Document	Japan	2000-611158 4/6/2000	NA	Pending